

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/713,994A
Source: 1FW16
Date Processed by STIC: 4/25/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 04/25/2005

PATENT APPLICATION: US/09/713,994A

TIME: 08:39:45

Input Set : E:\MBI-0022US.ST25.txt

Output Set: N:\CRF4\04252005\I713994A.raw

3 <110> APPLICANT: Mendel Biotechnology, Inc.
 4 KEDDIE, James
 5 CREELMAN, Robert
 6 YU, Guo-Liang
 7 ADAM, Luc
 8 RIECHMANN, Jose Luis
 9 HEARD, Jacqueline
 10 SAMAHA, Raymond
 11 PILGRIM, Marsha
 12 PINEDA, Omaira
 13 JIANG, Cai-Zhong
 14 RATCLIFFE, Oliver
 15 REUBER, Lynne
 17 <120> TITLE OF INVENTION: GENES FOR MODIFYING PLANT TRAITS
 19 <130> FILE REFERENCE: MBI-0022US
 21 <140> CURRENT APPLICATION NUMBER: 09/713,994A
 22 <141> CURRENT FILING DATE: 2000-11-16
 24 <150> PRIOR APPLICATION NUMBER: 60/166,228
 25 <151> PRIOR FILING DATE: 1999-11-17
 27 <150> PRIOR APPLICATION NUMBER: 60/197,899
 28 <151> PRIOR FILING DATE: 2000-04-17
 30 <150> PRIOR APPLICATION NUMBER: 60/227,439
 31 <151> PRIOR FILING DATE: 2000-08-22
 33 <160> NUMBER OF SEQ ID NOS: 1982
 35 <170> SOFTWARE: PatentIn version 3.2
 37 <210> SEQ ID NO: 1
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 39 <212> TYPE: DNA
 40 <213> ORGANISM: Arabidopsis thaliana
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: G188
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 50 ttgtgctggt catgaagacg acataggaaa ctgtaaacaa caacaagatc ctctctctcc 180
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 56 agcctcatca ccatctccca atatcttact aaaacaagaa caagtacttc tcgaatcaca 360
 58 agatcaaaaa cctcctctta gtgttagggg tttcccacca tccacttctt cttctgtctt 420
 60 tgtttttaga ggtcaacgcg accagcttct tcaacaacaa tcccaacctc cccttcgata 480
 62 tagaaaaaga aagaatcagc aaaaaagaac catatgtcat gtaacgcaag agaattcttc 540
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72 ggttcctaaa ccggacacat ctccctttatc ggatacagta aaagaagaga ttcatctttc 840
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164 gaggaggcag tgaagaagga gcaggcaaca gagccgggga aacggaggaa gaggaagaat 300
166 gtttatagag ggatacgtaa gcgtccatgg ggaaaatggg cggttgagat tcgagatcca 360
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170 tatgatgttg cggccaagca gatccgtggg gataaagcca agctcaactt cccagatctg 480
172 caccatcctc ctctccttaa ttatactcct ccgccgtcat cgccacgacg aaccgatcag 540
174 cctccggcga agaaggtctg cgttgtctct cagagtgaag gcgagttaag tcagccgagt 600
176 ttcccgggtg agtgtatagg atttggaatg ggggacgagt ttcagaacct gagttacgga 660
178 tttaggccgg attatgatct gaaacagcag atatcgagct tggaatcggt ccttgagctg 720
180 gacggtaaca cggcggagca accgagtcag cttgatgagt ccgtttccga ggtggatatg 780
182 tggatgcttg atgatgtcat tgcgtcgtat gagtaaaaga aaaaaataa gtttaaaaaa 840
184 agttaataaa agtctgtaat atatatgtaa ccgccgttac ttttaaaagg tttttaccgt 900
186 cgcatgggac tgctgatgat gtctgttgtg taatgtgtag aatgtgacca aatggacgtt 960
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231 agtgagaatg aataatcaga ttgagagatt gacaaaagag aaagaaggat tgcttgaaga 900
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259 ttctagtctg ttttagttac ttgtaaaata gggtttctca gttttattgt tttcgattcc 1740
261 agtacttagg tatggttcag ctgtttatit atcacttgta tgatctttcc cagttcattg 1800
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273 <223> OTHER INFORMATION: G28

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280 acttactagg agaatcggag ccgatactca gtgagtcgac agcgagttcg gttactcaat 180
282 cttgtgtaac cggtcagagc attaaaccgg tgtacggacg aaaccctagc tttagcaaac 240
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290 tcgcgggcggg ggattctggt ccggtcaaga aggagaagac gagtcctggt tcggcgggcgg 480
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304 cacgtggcga tcgtttattg gttttataat tttgattttt ctttgttgga tgattatatg 900
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325 ctccgatttc atcatcatct tccccatcat cgtcgtcttt gaaatcttgt cttctcaacg 180
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331 agcaaaaagt ttcttttttc atagttcgct gagagttttg agttttgata caaaaaagt 360
333 tttgaccttt tagagtgatt ttttgttctt tctgttttct ggggtatttt gaggagtggg 420
335 ttttaacaatg gttgcgatta gaaaggaaca gtctttgagt ggtgttagta gcgagattaa 480
337 gaagagagct aagagaaaca ctctatcgtc ctttctcaa gaaacccaac ctttgaggaa 540
339 agtccgtatt attgtgaatg atccttatgc tactgatgat tcctctagtg atgaggaaga 600
341 gcttaagggt cctaagccaa ggaaaatgaa acgtatcggt cgtgagatta actttccttc 660
343 tatggaagtt tctgaacagc cttctgagag ttcttctcag gacagtacta aaactgatgg 720
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351 gtttgatgct attgttgctg gaaatgtgtc cactactaaa cgtgatgttt cttcatctga      960
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355 atcagctctc acttgtgtca acaaccctga tgacgtctcg accgttgctc caactgctcc     1080
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363 agataacggt ccaagtgcgt taccagattt cgactttgcy gatgttgaag atcttcagct     1320
365 agctgactct agtttcggtt tccttgatca acttgctcct atcaacatct cttgcccatt     1380
367 aaaaagtttt gcagcttcat aggatcttgc ttagtaatgt taagtgagaa gagtgttttg     1440
369 ttttttcggt tatgcttttag taatttaaga catacaaaag tgtgtgttcc ggattgtagt     1500
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390 aaagctgggt tacaaaggaa tggaagagc tgcagattaa gatggattaa ttacctaaga      180
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412 catcatattt atagagaggc ttcagattgt aattcttctg ctgaattctt ttctccacca      840
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:178; N Pos. 973
Seq#:186; N Pos. 677
Seq#:214; N Pos. 1131
Seq#:226; N Pos. 7,9
Seq#:238; N Pos. 1196,1197,1198,1199
Seq#:726; N Pos. 1039,1148,1169
Seq#:1063; N Pos. 1010,1024,1036
Seq#:1080; N Pos. 948
Seq#:1206; N Pos. 993,995,1007
Seq#:1242; N Pos. 1194,1195,1196
Seq#:1329; N Pos. 1100
Seq#:1383; N Pos. 810
Seq#:1724; N Pos. 466,476,483,494,504,546,563,627,652,658,668,683,693,707
Seq#:1724; N Pos. 712,716,717,720,742,751,757,768,778,785,787,793,794,795
Seq#:1724; N Pos. 799,800,824,828,829,830,840,843,848,855,857,860,864,870
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Seq#:1724; N Pos. 998

VERIFICATION SUMMARY

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L:9626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:960
L:10076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:186 after pos.:660
L:11932 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:1080
L:12645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:226 after pos.:0
L:13515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:238 after pos.:1140
L:47834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:726 after pos.:1020
M:341 Repeated in SeqNo=726
L:71388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1063 after pos.:960
M:341 Repeated in SeqNo=1063
L:72511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1080 after pos.:900
L:81149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1206 after pos.:960
L:83919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1242 after pos.:1140
L:89912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1329 after pos.:1080
L:94536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1383 after pos.:780
L:119232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1724 after pos.:420
M:341 Repeated in SeqNo=1724